

WHAT IS CLAIMED IS:

1. A nut retaining apparatus in which to insert a bolt into an end surface of a body from a direction inclined with
5 respect to a tangent direction to fasten the bolt to a threaded hole in the body, a nut member is retained in the inclined direction at a position which is continuous with a bolt insertion hole in the body, wherein

the nut retaining apparatus comprises a nut retainer which
10 is provided on an insertion end of the bolt insertion hole in the body and against which the nut member abuts to bring a threaded hole of the nut member into communication with the nut retainer, and a nut holder capable of supporting the nut member at the inclination angle, and wherein

15 the nut holder supports the nut member and is mounted on the body, thereby retaining the nut member at a position of the nut retainer.

2. The nut retaining apparatus according to claim 1,
20 wherein the nut holder comprises an engaging portion capable of engaging with the body when the nut holder is mounted on the body, and a side surface support portion which supports a side surface of the nut member, and an end surface support portion which supports an end surface of the nut member.

3. The nut retaining apparatus according to claim 2,
wherein the side surface support portion forms a V-shaped groove.

4. The nut retaining apparatus according to claim 2,
5 wherein the end surface support portion includes a bolt insertion
hole which is in communication with the threaded hole of the
nut member.

5. The nut retaining apparatus according to claim 1,
10 wherein the nut holder is mounted to the body from below.

6. The nut retaining apparatus according to claim 2,
wherein the nut holder is mounted to the body from below.

15 7. The nut retaining apparatus according to claim 1,
wherein the nut holder is made of resin.

8. The nut retaining apparatus according to claim 1,
wherein the nut retainer includes a side surface retainer which
20 comes into contact with a side surface of the nut member, and
an end surface retainer which comes into contact with an end
surface of the nut member.

9. The nut retaining apparatus according to claim 2,
25 wherein the nut retainer includes a side surface retainer which

comes into contact with a side surface of the nut member, and an end surface retainer which comes into contact with an end surface of the nut member.

5 9. The nut retaining apparatus according to claim 5, wherein the nut retainer includes a side surface retainer which comes into contact with a side surface of the nut member, and an end surface retainer which comes into contact with an end surface of the nut member.

10

10. The nut retaining apparatus according to claim 6, wherein the nut retainer includes a side surface retainer which comes into contact with a side surface of the nut member, and an end surface retainer which comes into contact with an end 15 surface of the nut member.

11. The nut retaining apparatus according to claim 1, wherein the body is made of aluminum by die casting.

20

12. The nut retaining apparatus according to claim 1, wherein the nut retaining apparatus constitutes a member coupling device for coupling a pipe member to the end surface of the body.

25

13. The nut retaining apparatus according to claim 12,

wherein the end surface of the body includes a positioning section,

a bolt is fastened to the nut member, thereby bringing the pipe member into abutment against the positioning section, and the member coupling device couples the pipe member while positioning the pipe member.

5

14. The nut retaining apparatus according to claim 1, wherein a member coupling device for coupling a lateral cross member to a supporting structure which constitutes furniture having a top is constituted.

10

15. A nut holder in which to insert a bolt into an end surface of a body from a direction inclined with respect to a tangent direction to fasten the bolt to the body, a nut member is retained in the inclined direction at a predetermined position
15 in the body,

wherein the nut member is supported in the inclined direction, the nut holder is mounted from the inclined direction from the inserting direction of the bolt in a state in which the nut member is supported, thereby holding the nut member in
20 the predetermined position.

16. The nut holder according to claim 15, further comprising an engaging portion capable of engaging with the body, a side surface support portion supporting a side surface of the
25 nut member, and an end surface support portion for supporting

an end surface of the nut member.

17. The nut holder according to claim 16, wherein the side surface support portion forms a V-shaped groove.

5

18. The nut holder according to claim 17, wherein the end surface support portion includes a bolt insertion hole through which the bolt can be inserted.

10 19. The nut holder according to claim 15, wherein the nut holder is mounted on the body from below.

20. The nut holder according to claim 16, wherein the nut holder is mounted on the body from below.

15

21. The nut holder according to claim 15, wherein the entire nut holder is made of resin.